Que1. find top 3 outlets by cuisine type without using limit and top function

with cte as(

select cuisine,restaurant\_id,count(\*) as no\_of\_orders

from orders

group by cuisine,restaurant\_id

)

select \* from(

select\*

,row\_number()over(partition by cuisine order by no\_of\_orders desc)as rn

from cte)

where rn<=3;



Que 2.find out daily new customer count from the launch date(everyday how many new c

customers are we acquiring)

with cte as(

select customer\_code,cast(min(placed\_at)as date)as first\_order\_date

from orders

group by customer\_code)

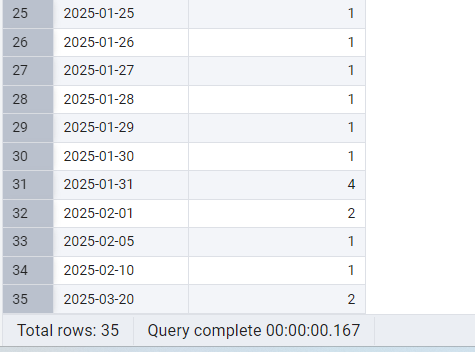
select first\_order\_date,count(\*)as no\_of\_new\_customers

from cte

group by first\_order\_date

order by first\_order\_date;





Que 3-count of all users who were acquired in jan 2025 and only placed one order in jan and did not place any other order

select customer\_code,count(\*)as no\_of\_orders

from orders

where extract(month from placed\_at)=1 and extract(year from placed\_at)=2025

and customer\_code not in (select distinct customer\_code

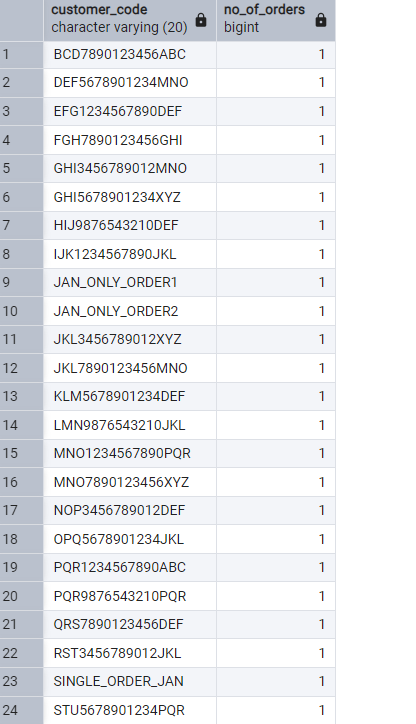
from orders

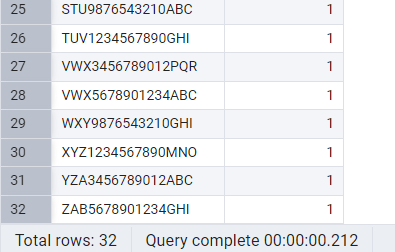
where not (extract(month from placed\_at)=1 and extract(year from placed\_at)=2025)

)

group by customer\_code

having count(\*)=1;





Que 4-list all the customer with no orders in last 7 days but were acquired one month ago with with thier first order on promo

with cte as(

select customer\_code,min(placed\_at)as first\_order,max(placed\_at)as lastest\_order

from orders

group by customer\_code

)

Select cte.customer\_code,cte.first\_order,cte.lastest\_order,orders.promo\_code\_name as first\_order\_promo

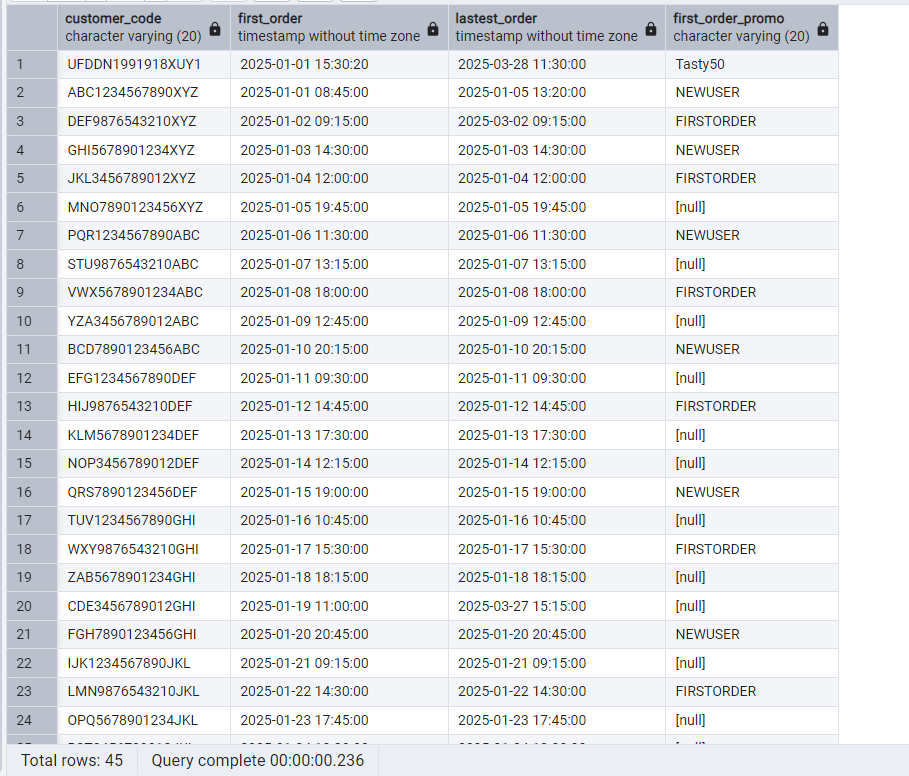
from cte

join orders

on orders.customer\_code=cte.customer\_code

and orders.placed\_at=cte.first\_order

where cte.lastest\_order< current\_date-interval'7 days';



Que 5-growth team is planning to create a trigger that will target customers after their evey third order with a personalized communication and they have to create a query for this

with cte as(

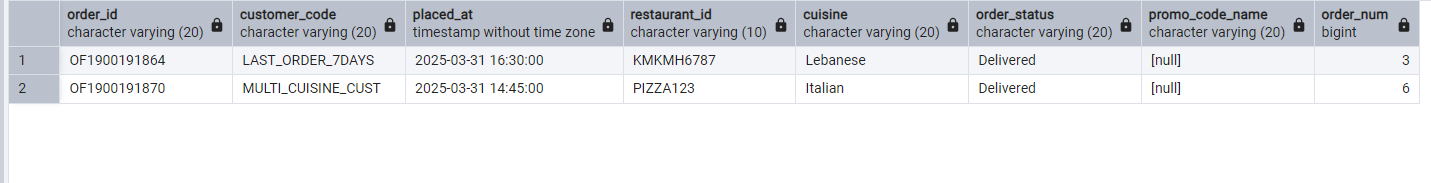
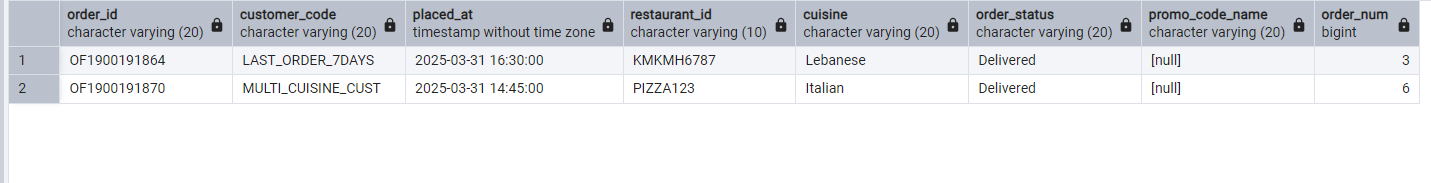
select\*,

row\_number()over(partition by customer\_code order by placed\_at)as order\_num

from orders)

select \* from cte

where order\_num%3=0 and placed\_at::date= date'2025-03-31';



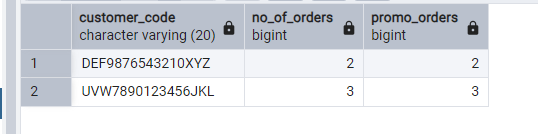
Que- 6-list csutomers who placed more than 1 order and all their orders on a promo only

select customer\_code ,count(\*)no\_of\_orders,count(promo\_code\_name)as promo\_orders

from orders

group by customer\_code

having count(\*)>1 and count(\*)=count(promo\_code\_name);



Que 7-what percent of customer were organically aquired in jan 2025.(placed their first order without promo code)

with cte as(

select\*

,row\_number()over(partition by customer\_code order by placed\_at)as rn

from orders

where extract(month from placed\_at)=1 and extract(year from placed\_at)=2025

)

select round(count(case when rn =1 and promo\_code\_name is null then 1 end) \* 100.0/count(distinct customer\_code),2)

as organic\_acquired\_percentage

from cte;

